

CLAIMS

1. A method for the post-treatment of a photovoltaic cell comprising a photoactive layer composed of two molecular components, specifically an electron donor and an electron acceptor, particularly a conjugated polymer component and a fullerene component, and two metal electrodes provided on either side of said photoactive layer, said photovoltaic cell being subjected to heat treatment above the glass transition temperature of said electron donor for a predetermined treatment time, characterized in that said heat treatment of said photovoltaic cell is carried out for at least a portion of said treatment time under the influence of an electric field induced by a field voltage applied to the electrodes of said photovoltaic cell and exceeding the no-load voltage thereof.
2. The method according to claim 1, characterized in that said electric field is induced by means of a field voltage that exceeds the no-load voltage of said photovoltaic cell by at least 1 V.
3. The method according to claim 2, characterized in that said field voltage is selected to be between 2.5 and 3 V.
4. The method according to one of claims 1 to 3, characterized in that said photovoltaic cell is subjected for a treatment time of between 2 and 8 min, preferably between 4 and 5 min, to heat treatment under the influence of an electric field.